

This is the html version of the file <http://docserve.files.wordpress.com/2011/09/sap-scripts.ppt>.  
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# SAP Script

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SAP Script is the SAP System's own text-processing system.

SAP Script is integrated text management system of the SAP R/3 system.

The TCode (Transaction Code) is SE71.

*What is SAP Script ?*

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## *Why SAP Script ?*

It is used to print preformatted text in preformatted forms.

Unlike reports , the text can be aligned, different fonts can be used. Company Logo can be printed.

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A layout set is defined as a page design for a document.

A layout set specifies the page design by defining one or more windows and arranging them on a page.

Layout set on its own does not contain any data.

*How to go about creating Forms ?*

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The selection of data for the document is done through the print program.

When the print program is executed the document is printed.

The print program selects the data from database table and feeds it to the layout set.

*Contn....*

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# A layout set consists of following components

- Header
- Pages
- Windows
- Page Windows
- Paragraph Formats
- Character Formats

## *Components of Layout set*

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**Header** – This part of the layout set consists of both administrative data and basic (default) settings for

the various other components of the layout set like First page, Default paragraph for Layout set etc.,

## *Header*

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**Pages** – At least one logical page must be defined for every layout set. (Otherwise it is not possible to format the texts ) A page is defined by assigning a name and specifying attributes.

## *Pages*

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**Windows** – At least one logical window must be defined for every page. (Otherwise it is not possible to format the texts) Window definition involves a list of window names and corresponding window types. A MAIN window is displayed automatically.

## *Windows*

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**Page Windows** - A page window is defined by allocating a logical window to a logical page and specifying the position and size of

the window.

## *Page Windows*

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**Paragraph Formats – A** paragraph contains all the information needed to format a paragraph of text and font. Tabs are important for paragraphs. Specifying the list of tabs is the way to create columns for outputting line items of a document.

## *Paragraph Formats*

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## *Character Formats*

**Character Formats** – This is used to override paragraph settings for specific words in a Paragraph.

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To create a Layout set go to Tools -> SAP Script -> Form.

The Transaction code is SE71.

## **Creating a Layout Set**

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1. Go to SE71. This takes you to the Form .Enter name for the



Layout / Form in the text box given. The screen as shown below.

## *Steps to Create Layout Set*

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## *Form Painter (SE71)*

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2. After entering the name for the Layout set choose the “Create” Button. This takes you to the next screen where in you need to enter the description for the Layout set.

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# *Header Details of Form*

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3. Next step is to create Pages for the Layout or Form. Go to Pages button on the Application toolbar. Enter name for the Page in the Standard attributes and description for the Page. For the Next Page in the Standard attribute specify the name.

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## *Page Details - Form*

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4. The above screen takes to the Pages screen of the Form. After Pages, you have to create Windows needed for the Page. Go to Windows button on the toolbar. MAIN Window is created given by the system itself. The Window can be of type VAR or CONST except for MAIN.

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5. Next step is to create Windows on the Page .

*Window Details - Form*

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6. To Create Windows go to Edit -> Create Element of Menu bar. Using this option you can create as many windows as needed for the page. By default the Window created will have window type as VAR. For Windows to be Constant, you can name them as CONST.

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7. Next step after creating Windows is to “Create Page Windows”. Click “Page Windows” on the Application toolbar. Choose the Windows needed for that page using Edit -> Create Element. Enter

the margins for the Page Windows created in the Standard attributes.

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## *Details of Page Windows*

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8. Go to Paragraph Formats in the Application toolbar.

9. Name the Paragraph Format and enter the description .Specify the Font family and size .If needed ,specify the tab positions. Tabs are columns created for outputting line items of a document.

# *Paragraph Formats*

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## *Paragraph Formats - Form*

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10. Next step is to create “Character Formats”. This is used to override the paragraph settings for specific words.

## *Character Formats*

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## *Character Format*

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11. Go to Text Elements (F9) in the Application toolbar of the selected page window.

12. The text elements are assigned to the active window. You can create several text elements in a window.

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13. The text elements are called from print program, through function modules and outputted in the respective window.

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# *MAIN Window – Text Element*

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14. Next step is to save the Layout. Go to Form -> Save. While saving the Form ,it asks for the Default paragraph and page in Header details of Basic Settings. You need to specify the default paragraph and page in this page.

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## *Header Details*

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16. The form gets saved after entering the above details. Save the form as a local object. Next step is to activate the Layout set. After activating the form, a driver program or print program has to be written in SE38. The print program has to be written using Open, Write and Close function modules.

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*Function Modules*

**Open Form**

**Close Form**

**Control Form**

# Write Form

## Start Form

## End Form

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1. New Page : Forcing a  
page break in a text.

Syntax :

`/: NEW-PAGE [page_name]`

Ex :

`/: NEW-PAGE S1 ->` Contents of  
S1 are printed in a new page.

*SAP Script – Control Commands*

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## 2. Set Date Mask : Formatting date fields.

Syntax :

`/: SET DATE MASK =  
'date_mask'.`

Ex : `/: SET DATE MASK =  
'DD/MM/YY'.`

`&DATE& = 01/01/01`

*Date Command*

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## 3. INCLUDE : To include contents of another text into

current text.

Syntax :

```
/: INCLUDE name [OBJECT o]
[ID i]          [LANGUAGE l]
[PARAGRAPH p]   [NEW-
PARAGRAPH np]
```

Ex :

```
/: INCLUDE MYTEXT
LANGUAGE 'E' PARAGRAPH
'A1'
```

*Include Command*

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4. ADDRESS – ENDADDRESS

: To format the address.

Syntax :

/: ADDRESS [DELIVERY]  
[TYPE t] [PARAGRAPH a]  
[PRIORITY p] [LINES l]

/: TITLE title

/: NAME

name1[,name2[,name3[,name4]]]

*Address – EndAddress*

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/: PERSON name of natural person  
[TITLE form of address]

/: DEPARTMENT department

/: STREET street name

/: LOCATION additional location information

/: POBOX po box [CODE post code / zip code] [CITY city]

.....*Contn*

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/: POSTCODE post code / zip\_code

/: CITY city1[,city2]

/: REGION county / state

/: COUNTRY recipient country

[LANGUAGE language code]

/: FROMCOUNTRY sender  
country

/: ADDRESSNUMBER address  
number

/: ENDADDRESS

.....*Contn*

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5. PERFORM : It is used to call an ABAP/4 subroutine from any SE38 program.

Syntax :

/: PERFORM <form\_name> IN

**PROGRAM <prog>**

**/: USING &INVAR1&.....**

**/: CHANGING &OUTVAR1&.....**

**/: ENDPERFORM**

*Perform Command*

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**Form <form\_name>**

**Tables itab like itcsy,**

**otab like itcsy.**

**- - - - - Coding**

**Endform**

*SE38 program for Perform stmt*



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## 6. **/: IF condition**

:

**/: ENDIF**

- = EQ equal to
- < LT less than
- > GT greater than
- <= LE less than or equal to
- >= GE greater than or equal to
- <> NE not equal to

***IF Command***

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## **Syntax : CASE Command**

**/: CASE symbol**

```
/: WHEN value1  
:  
/: WHEN valuen  
:  
/: WHEN OTHERS.  
:  
/: ENDCASE
```

## *Case Command*

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## *Protect – End Protect*

Protect – EndProtect Command is used to print complete text on same page.

Syntax : / : PROTECT

- - - -

- - - -

/ : ENDPROTECT

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Steps required to print a Company logo :

1. Go to SE38 .Type RSTXLDMC in the text box provided .

*Printing Company Logo*

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*SE38 Screen*

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2. Execute the program by pressing F8.

3. Enter the File name of the TIFF file, resolution, Text name and Text title

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4. The TIFF file will be uploaded and gets stored as a text element in SO10.

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**Any Questions ?....**

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# Thank You !